Table 1. Precipitation in Pauma Valley 1952 to 2006

	Total		Total
Water	Precipitation	Water	Precipitation
year	(inches)	year	(inches)
1952	24.00	1980	30.83
1953	12.61	1981	9.38
1954	15.04	1982	15.39
1955	11.87	1983	24.90
1956	10.10	1984	14.62
1957	12.05	1985	13.35
1958	23.14	1986	17.88
1959	6.07	1987	10.41
1960	11.69	1988	14.27
1961	3.52	1989	9.32
1962	14.09	1990	11.21
1963	6.84	1991	17.26
1964	12.91	1992	15.87
1965	12.74	1993	32.17
1966	15.69	1994	13.38
1967	10.77	1995	27.14
1968	16.32	1996	6.83
1969	14.79	1997	31.51
1970	8.46	1998	29.81
1971	12.21	1999	10.20
1972	9.97	2000	8.56
1973	20.70	2001	14.07
1974	12.37	2002	6.00
1975	11.81	2003	17.50
1976	13.43	2004	11.50
1977	9.23	2005	31.05
1978	31.62	2006	13.00
1979	20.89		

Table Notes:

Rainfall measurements were collected in immediate vicinity of the Rancho Pauma Mutual Water Company offices.

Table 2. Water Production by Rancho Pauma Mutual Water Company 1998 through 2006

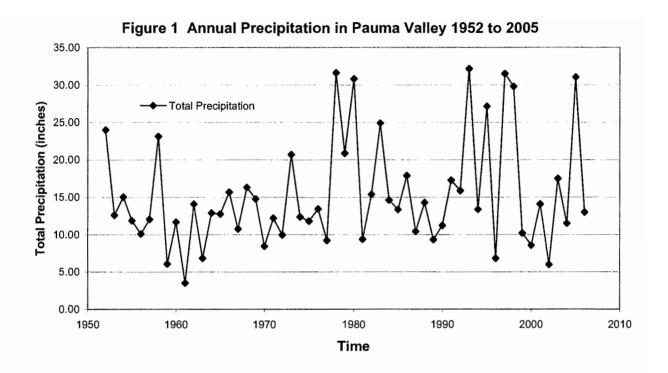
	Production
Water Year	(acre feet)
1998	2042
1999	2832.6
2000	3340
2001	2798.1
2002	3128.9
2003	2796.2
2004	2978.5
2005	2402
2006	N/A

Table 3. Depth to Standing Water in Rancho Pauma Mutual Water Company Wells 1990 through 2006

Well 39		1	1	1	l	}	1	1	1	59.2	77.6	87.5	108.8	114.4	120.8	83.1	I
Well 38	1	1	1	1	}	ł	1	ŀ	57.3	47.8	70.0	75.7	102.1	110.1	116.2	78.3	75.9
Well 37	1	:		53.4	40.8	37.9	56.5	72.6	49.6	59.8	78.0	92.7	100.0	101.3	113.5	96.4	88.4
Well 36	1	!	94.2	53.1	54.0	47.1	57.3	71.6	63.3	73.8	87.3	95.5	119.5	123.2	128.4	88.7	91.0
Well 35	!	ł	ŀ	i	56.9	49.9	79.0	9.99	68.5	74.8	96.4	7.76	114.9	112.0	119.8	110.0	;
Well 34	1	ł	92.4	55.4	40.6	34.1	49.2	70.0	20.0	54.2	73.9	89.1	107.7	116.8	123.1	81.0	81.5
Well 33	1	56.3	75.9	28.4	27.4	16.4	36.0	41.7	26.4	33.6	54.2	65.2	ŀ	ļ	1	ŀ	1
Well 32R	78.7	75.9	92.9	54.0	41.5	34.2	51.8	!	46.6	59.0	71.5	75.2	105.1	113.2	120.2	75.6	76.5
Well 31R	98.2	100.4	106.0	70.2	63.9	58.6	92.0	89.2	82.9	9.98	92.4	96.2	108.1	101.3	119.3	102.6	100.6
Well 30	78.6	71.4	1	45.9	33.0	28.9	41.9	62.7	ł	ł	I	!	1	113.2	120.8	79.0	75.3
Well 14R	61.5	1	!	31.3	21.9	22.4	38.3	50.5	29.8	33.9	9.09	92.0	110.0	114.3	121.2	82.8	85.7
Well 11	130.0	113.3	134.9	109.6	85.4	71.9	95.0	89.7	84.3	91.4	119.9	125.7	142.4	141.2	153.7	127.5	131.7
Well 7R	106.2	107.9	113.3	81.7	75.1	65.7	86.8	7.76	81.3	9.68	108.3	117.8	132.2	133.1	149.0	131.7	1
Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2002	2006

Notes:

Depth to standing water level was measured in feet below the well measuring point in July of each year. "--" indicates that a measurement is not available.



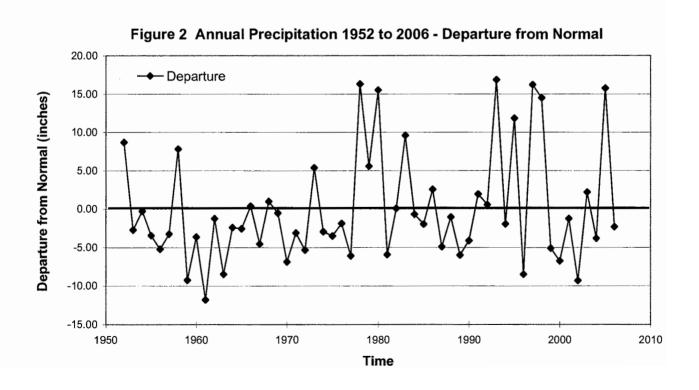


Figure 3. Standing Water Levels in Rancho Pauma Mutual Water Company Production Wells 1989 to 2006

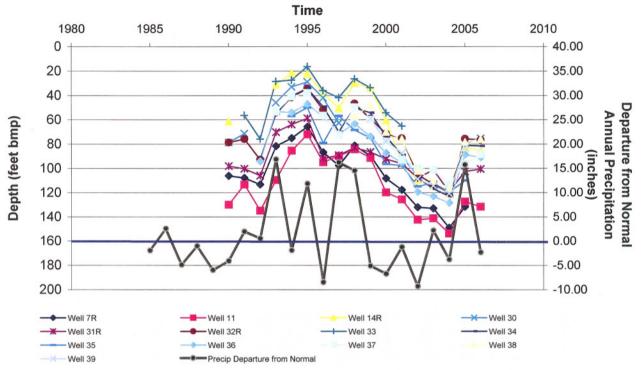
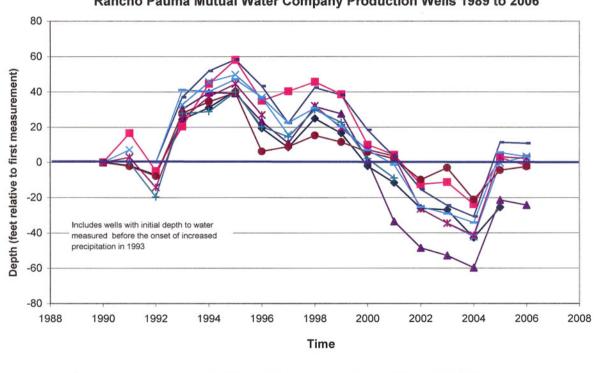


Figure 4. Normalized July Standing Water Levels in Rancho Pauma Mutual Water Company Production Wells 1989 to 2006



◆— Well 7R —— Well 11 —▲— Well 14R —— Well 30 —●— Well 31R —— Well 32R —— Well 33 —— Well 34 —— Well 36

130-100-19
APN 130-100-17
Control 1030-20

	epair or Modification Agricultural Community Cable Tool Ime Extension. Industrial Other Community Other PROPOSED WELL DEPTH PROPOSED CASING PROPOSED WELL DEPTH Type Steel Depth 50 ft. Diameter 26 %, D. Wall or Gage 250" PROPOSED SEALING ZONE(S) SEALING MATERIAL (Check) From		
TYPE OF WORK (Check)		USE (Check)	1
New Well - 🔀	individual Domest	lc 🔲	Rotary Muci
Repair or Modification	Agricultural	Community	Cable Tool
Time Extension,	Industrial	Other Commercia	Other
Destruction			1
PROPOSED WELL DEPTH		PROPOSED CASING	
Max. 300 Min. 200 (Feet)	Type Steel De	opth <u>50ff.</u> Diameter <u>26 70.D.</u>	Wall or Gage 1250"
PROPOSED SEALING ZONE(S)		SEALING MATERIAL (C	heck)
From	Feet N	Neat Cement Grout	entonite Clay
From to	Feet S	Sand Cement Grout	oncrete 🔀 (
From to	Feet C	Other-Specify:	
PROPOSED PERFORATIONS OR SCRI	EEN		
From 200 to 300	Feet		
<u> </u>	. 1	Start	
From to	Feet		
From to	Feet	/ /	
NAME OF WELL OWNER Hidden Ochs	Farm, 1	NAME OF WELL DRILLER	
			7
LOCATION OF WELL Parima Velley	Ca 9206/	COMPANY D. A. A.	
-Same -		Tex Huderson C	la l
			lian, G 72036
APPROVED	THEN LED		eposit
APPROVED WITH CONDITIONS			osted 🔀
Report Reason(s) for Renial or Necessar	y Conditions Here:	#100 11/10	iso TX
(1)110 Mallo		Fee paid on 11/13	190 00
		C/ST 1.70	7.1
	affred		
Dulletin 18-120	chasan		
Jilon Carlos la	00 de		
		the State of California pertai	ning to well construc-
	to pouring		
7		Department of Health Services	
		accurate log of the well.	
Xtanim on I tan	rie .	If E Un	dire
HEALTH OFFICER		APPL (CANT'S, SIG	NATURE
1/ 1/ -13-90)	11/13/90	,
DATE		DATE	

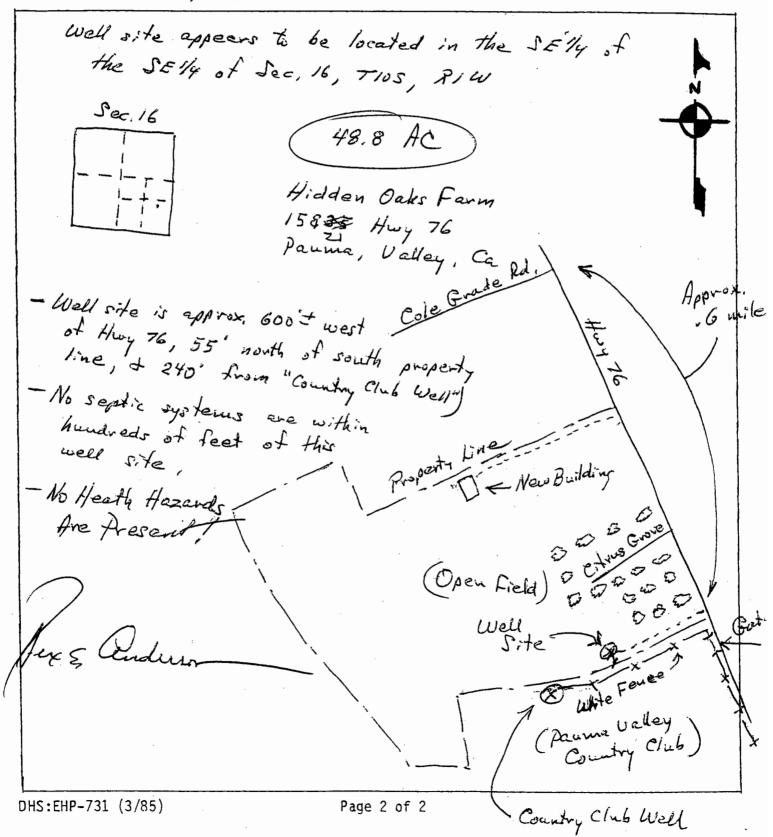
COUNTY OF SAN DIEGO
DEPARTMENT OF HEALTH SERVICES

WELL PERMIT APPLICATION

Control # W30400
/30-/00-/7
Assessor's Parcel No./30-/00-/9

LOCATION

INDICATE BELOW THE VICINITY AND EXACT LOCATION OF WELL WITH RESPECT TO THE FOLLOWING ITEMS: PROPERTY LINES, WATER BODIES OR WATER COURSES, DRAINAGE PATTERN, ROADS, EXISTING WELLS, SEWERS AND PRIVATE SEWAGE DISPOSAL SYSTEMS AND OTHER POTENTIAL CONTAMINATION SOURCES, INCLUDING DIMENSIONS.



WDR TO E.C.

1 241 TO C.

STATE OF CALIFORNIA

QUADRUPLICATE Use to comply with local requirements

THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

Do not fill in

WATER WELL DRILLERS REPORT

No. 354793

Notice of Intent No.	State Well No.
Local Permit No. or Date W30400	Other Well No.
(1) OWNER: Name Dick Nabers	(12) WELL LOG: Total depth ft. Completed depth 303 ft.
Address 3225 Valley Center AC.	from ft. to ft. Formation (Describe by color, character, size or material)
City Valley Center, CA ZIP92082	0 - 33 Med. to coarse, semi=con-
(2) LOCATION OF WELL (See instructions):	 solidated sand w/layers
County San Diego Owner's Well Number	 of gravel & some boulders.
Well address if different from above at Pauma Valley	8 - 9 Light gravel & small copble
Township 10S Range 1N Section 16	- 13.5 Rough drilling. Small
Distance from cities, roads, railroads, fences, etc.	- boulders
	- 17 Rough drilling
See attached	33 - 51 Med to charse sand w/some
	- heavy cravel. Semi-con-
(3) TYPE OF WORK:	- solidated. Drills tight.
New Well XK Deepening	51 - 53 @oulder
Reconstruction	53 - Mit Staty sand. Drills loose
Reconditioning	w/Yittle chatter.
Horizontal Well	70 - 75 Sand content increasing
Destruction (Describe	- Driles W some chatter
destruction materials and pro-	36 Silt Content increasing.
(4) PROPOSED USE.	very silzy of 85'
Domestic Domestic	38 - 96 Silt w/sam & light gravel
Irrigation	- Drills Water chatter
Industrial	99 104 Silt Rand & gravel. Drills
Test Well	Slower W/more chatter
Municipal	V) 104 Sourcer
1 1 - 1 -	- 113 Rough spot
WELL LOCATION SKETCH (Desaribe)	125-128 Drills w/mod. to heavy
(5) EQUIPMENT: (6) GRAVEL RACK:	1325 Rough drilling
	143 Light to mod. chatter
Cable All	143 -144 Rough drilling
Other Bucket Racked from 25 y	194 - 195 Moderately rough, slow
(7) CASING INSTALLED: (8) PERFORATIONS:	- drilling
Steel Plastic D Concesse Type of perforation or size of sereen	-185 Rough drilling
From To Dia Gage or From To Slot	191-202 Very rough drilling
From To Dia Gage or From To Slot ft. ft. Wall ft. ft. size	202-208 Mod. rough drilling
0 52 25 0D .250 115 (120) 1.057	250 - 267 .057 208-210 Pogentarilling
0 302 15.3 DR18 134 352 "	280 - 297 " 210 - 214 Mod. rough
184 320 "	rough.
(9) WELL SEAL: 230 - 245	214 - 220 Mod. rough drilling. w/some
Was surface sanitary seal provided? Yes \(\bigsize \) No \(\bigsize \) If yes, to depth \(\bigsize \bigsize \bigsize \) ft	
Were strata sealed against pollution? Yes 🗌 No 🖫 Intervalf	
Method of sealing CONCIETS	Work started 11/14 19003/Gofmileted 7/9 1901
(10) WATER LEVELS:	WELL DRILLER'S STATEMENT:
Depth of first water, if known f	This well was drilled under my jurisdiction and this report is true to the
Standing level after well completion 115	best of my knowledge and belief;
(11) WELL TESTS:	Signed HC (III)
Was well test made? Yes \(\bar{\text{L}} \) No \(\bar{\text{U}} \) If yes, by whom \(\bar{\text{R}} \) Alt(\(\bar{\text{L}} \) Alt(\(\bar{\text{L}} \) \) Type of test \(\bar{\text{L}} \) ⊇ \(\bar{\text{L}} \) ump \(\bar{\text{L}} \) Bailer \(\bar{\text{L}} \) Air lift \(\bar{\text{L}} \)	— F∃ SH 5 / (Well Driller)
Type of test Tes 2 ump A Bailer Air lift Depth to water at start of test ft. At end of test	NAME PEX ANDERSON CODE (Person, firm, or corporation) (Typed or printed)
Discharge 1200 gal/min after hours Water temperature	Address Politan CA 9203
Chemical analysis made? Yes No 3 If yes, by whom?	City ZIP 9203 S
Was electric log made Yes No Tild yes, attach copy to this report	License No. 305739 Date of this report 3/11/31

QUADRUPLICATE Use to comply with local requirements

THE RESOURCES AGENCY DEPARTMENT OF WATER RESOURCES WATER WELL DRILLERS REPORT

Do not fill in

No. 354794

Notice of Intent No.	State Well No.
Local Permit No. or Date <u>₩30400</u>	Other Well No.
(1) OWNER: Name Dick Nabers	(12) WELL LOG: Total depth ft. Completed depth ft.
Address Hidden Oaks Rabnch - 3225 Valley	
Center Rd., Valley Center, ZIP 92082	from ft to ft Formation (Describe by color, character, size or material)
	221 - 223 Mcd. rough drilling
(2) LOCATION OF WELL (See instructions):	223-223.5 Mod. rough drilling, but
County Owner's Well Number	slower (Possible boulder?)
Well address if different from above	226-227 Slow & smooth drilling.
Township Range Section	- Boulder.
Distance from cities, roads, railroads, fences, etc.	- 229 Small boulder
	- 234 Rough drilling spot.
	- 244 Rough drilling spot.
Completed 14/411 Occasion	245-253 Smooth crilling wuffittle
Completed Well Construction (3) TYPE OF WORK:	- charter. Material appears
Date New Well Deepening Deepening	- to be coarse sub-rounded
Retonstruction	253 254 Rough @rilling.
Date Inspected5/3/9/ Reconditioning	
Progression Pr	255 5- Rough Spot
Comments Low Laboration Destruction (Describe destruction materials and pro-	251 - 260 Rough dvilling. Ccarse san
observed by M. L. W. Lifedures in Item 12)	
(4) PROPOSED USE	265 272 Madaratalw Rough drilling
Domestic	272 - 210 Rough Av 13 Mg
Irrigation	274 - 27 Modrafaly rough drilling
Water Sample Taken? No Influstrial	276 (28) 5 Smooth Hilling W/some
Thet Well	
Reviewed By Municipal	281 50 282 Rough drilling. Poulders
Other	283 5 mod rough drilling
WELL LOCATION SKETCH (Describe)	285 - 285 Mod. to rough drilling
	286 -289 Wery rough drilling
(5) EQUIPMENT: (6) GRAVEL RACK:	286/-289 Very rough. 283 293.5 Rough
Rotary Reverse Size	294 Very rough
Cable Air Diameter of bore	294 - 296 Rough
Other Bucket Racked from	0296 - 297 Very rough.
(7) CASING INSTALLED: (8) PERFORATIONS:	297 - 300 Rough
Steel Plastic Concesse Type of participation or size of series	300 - 303 Mod. rough
From To Dia Gage or Fram To Shot	- 30.3 Mod - 100gii
ft ft wall ft size	_
1000	-
	-
	_
(9) WELL SEAL:	_
Was surface sanitary seal provided? Yes \(\square\) No \(\square\) If yes, to depth ft	-
Were strata sealed against pollution? Yes 🗌 No 🗋 Intervalft	7 44 44 40 242
Method of sealing	Work started 19 Completed 19 19
(10) WATER LEVELS:	WELL DRILLER'S STATEMENT:
Depth of first water, if knownf	This well was drilled under my jurisdiction and this report is true to the
Standing level after well completion fi	best of my knowledge and belief.
(11) WELL TESTS:	Signed Ap Media
Was well test made? Yes ☐ No ☐ If yes, by whom?	- (Der Annan Con (Well Driller)
Type of test Pump Bailer Air lift Depth to water at start of test ft. At end of test f	INLA MINE
Discharge gal/min after hours Water temperature	Address P, U, BOX 384
Chemical analysis made? Yes No I If yes, by whom?	City Julian, CA ZIP 92036
Was electric log made Yes □ No □ If yes, attach copy to this report	License No. 305739 Date of this report 3/11/91
	NEXT CONSECUTIVELY NUMBERED FORM

FORM #2

I hereby certify that:

I am a contractor licensed in the State of California, to perform the specific tasks for which I am presently applying. My license is in full force and effect, and will remain so to the best of my knowledge throughout the duration of this project.

My contractor's license is, as follows:

- 1. In the Name of: REX ANDERSON CORPORATION
- 2. State License No. A 305739
- Classification: A
 (Class Aor C42 required per Business & Professional Code
 Chapter 9, Section 7056, and California Administrative
 Code, Chapter 8 T-16, Section 754.4).

I am informed and understand that any false information could result in a penalty of not more than \$500 for each violation, as provided in Business & Profession Code, Section 7031/5)

Signed: fre Undur



Pumping Systems Analysts Hydraulic Test Report

Since 1958

(951) 684-9801 · Lic. 408415 · Fax (951) 684-2988

Dick Nabers Highway 76 Test Date: 09/02/2004

Pump type: SUB

Plant: Small Well

A test was made on this well pump and the following information was obtained

EQUIPMENT

PUMP:

No Data

SERIAL:

N/A

MOTOR:

Grundros

SERIAL:

N/A

H.P.

5.0

LAT/LON:

33.18.588n116.59.299w

METER: 29 062 438

TEST RESULTS

,	TEST 1	TEST 2	TEST 3
Discharge, PSI	44.0	31.0	21.0
Discharge head, feet	101.6	71.6	48.5
Standing water level, feet	198.2		
Drawdown, feet	0.3	1.6	1.9
Pumping water level, feet	198.5	199.8	200.1
Total pumping head, feet	300.1	271.4	248.6
Gallons per minute flow	17	27	37
Gallons per foot of drawdown	56.7	16.9	19.5
Acre feet pumped per 24 hours	0.075	0.119	0.163
KW input to motor	3.0	3.6	4.0
HP input to motor	4.1	4.9	5.4
Motor load, % BHP	60.4	72.4	80.6
Measured speed of pump, RPM	n/a		
KWH per acre foot	966.4	729.6	592.8
Overall plant efficiency in %	31.8	38.1	42.9

The above test results indicate various conditions under which this pump operates.

If you have any questions please contact Jon Lee at (951) 684-9801.

2

ANNUAL PUMPING COST ANALYSIS

Dick Nabers

Test date:

09/02/2004

Plant:

Small Well

H.P.

5

The following cost analysis is presented as an aid to your cost accounting and planning. It is an ESTIMATE based on the pump test data and your energy use during the previous 12-month period.

EXISTING CONDITIONS

Average Cost per kWh	\$0.1000		
	Test 1	Test 2	Test 3
KW input to motor	3.0	3.6	4.0
Acre feet pumped per 24 hour day	0.075	0.119	0.163
KWh per acre foot	966.4	729.6	592.8
Pumping cost per hour	\$0.30	\$0.36	\$0.40
Pumping cost per acre foot	\$96.64	\$72.96	\$59.28
Overall plant efficiency	31.8	38.1	42.9
Expected efficiency, new pump, in %	45.0		
Cost savings in %	29.4		



Client Name: Rancho Pauma Mutual Water Co.

Contact: Ogden Watson Address: P.O. Box 423

Pauma Valley, CA 92061

Report Date: 23-Sep-2004

Analytical Report: Page 4 of 6

Project Name: Rancho Pauma MWC-DW-NC

Project Number: [none]

Work Order Number: A4I1048

Received on Ice (Y/N): Yes

Temp: 17 °C

Laboratory Reference Number

A4I1048-02

Sample Description Hidden Oaks Ranch High Yield Matrix Water Sampled Date/Time 09/14/04 08:10 Received Date/Time 09/14/04 10:45

	- har my	(1) 19V						
Analyte(s)	The Or	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
Cations								
Total Hardness		240	3.0	mg/L	SM 3120B	09/16/04 17:42	mcm	
Calcium		62	1.0	mg/L	EPA 200.7	09/16/04 17:42	. mcm	
Magnesium		20	1.0	mg/L	EPA 200.7	09/16/04 17:42	mcm	
Sodium		43	1.0	mg/L	EPA 200.7	09/16/04 17:42	mcm	
Potassium		3.6	1.0	mg/L	EPA 200.7	09/16/04 17:42	2 mcm	
Anions								
Total Alkalinity	}	160	3.0	mg/L	SM 2320B	09/17/04 11:18	3 naa	
Hydroxide	1	ND	3.0	mg/L	SM 2320B	09/17/04 11:18	3 naa	
Carbonate		ND	3.0	mg/L	SM 2320B	09/17/04 11:18	3 naa	
Bicarbonate		190	3.0	mg/L	SM 2320B	09/17/04 11:18	3 naa	
Sulfate	25		0.50	mg/L	EPA 300.0	09/14/04 20:53	3 cth	
Chloride	25		1.0	mg/L	EPA 300.0	09/14/04 20:53	3 cth	
Nitrate	4	15 22	1.0	mg/L	EPA 300.0	09/14/04 20:53	3 cth	
Nitrate as N		4.9	0.20	mg/L	EPA 300.0	09/14/04 20:5	3 cth	
Aggregate Properties						•		
pН	- 1	7.5	1.0	pH Units	SM 4500H+ E			
Specific Conductance	i i	690	1.0	umhos/cm	SM 2510 B	09/14/04 17:3	0 aa	
Temperature (at Lab)	1	25	1.0	°C	SM 2550B	09/14/04 00:0	0 mft	
Aggressive Index		11.9		N/A	Calculation			
Langlier Index @ 25 C		0.02		N/A	SM 2330 B	09/22/04 10:2	7 saf	
Solids					,			
Total Dissolved Solids	150	60 420	20	mg/L	SM 2540C	09/20/04 14:2	29 aa	





Client Name: Rancho Pauma Mutual Water Co.

Contact: Ogden Watson Address: P.O. Box 423

Pauma Valley, CA 92061

Report Date: 23-Sep-2004

Analytical Report: Page 5 of 6

Project Name: Rancho Pauma MWC-DW-NC

Project Number: [none]

Work Order Number: A4I1048

Received on Ice (Y/N): Yes

Temp: 17 °C

Laboratory Reference Number

A4I1048-02

Sample Description Hidden Oaks Ranch High Yield

Matrix Water Sampled Date/Time 09/14/04 08:10 Received Date/Time 09/14/04 10:45

Analyte(s)		Result	RDL	Units	Method	Analysis Date A	Analyst	Flag
Surfactants MBAS	.50	ND	0.05	mg/L	SM 5540C	09/15/04 17:00	aa	
Metals and Metalloids Copper	1300		10	ug/L	EPA 200.7	09/16/04 17:43	mcm	
Iron	300	180	20	ug/L	EPA 200.7	09/16/04 17:42		
Manganese	50	ND	10	ug/L	EPA 200.7	09/21/04 12:06	lmt	
Zinc	5000	ND	10	ug/L	EPA 200.7	09/16/04 17:42	mcm	





Client Name: Rancho Pauma Mutual Water Co.

Contact: Ogden Watson Address: P.O. Box 423

Pauma Valley, CA 92061

Report Date: 23-Sep-2004

Analytical Report: Page 2 of 6

Project Name: Rancho Pauma MWC-DW-NC

Project Number: [none]
Work Order Number: A4I1048

Received on Ice (Y/N): Yes

Temp: 17 °C

Laboratory Reference Number

A4I1048-01

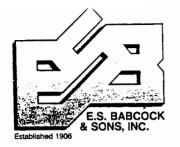
Sample Description

Hidden Oaks Ranch Low Yield

Matrix Water Sampled Date/Time 09/14/04 08:10 Received Date/Time 09/14/04 10:45

	Missila	40				<u>.</u>		
Analyte(s)	1,0,1	Result	RDL.	Units	Method	Analysis Date	Analyst	Flag
Cations	.					,		
Total Hardness		260	3.0	mg/L	SM 3120B	09/16/04 17:40) mcm	
Calcium		67	1.0	mg/L	EPA 200.7	09/16/04 17:40) mcm	
Magnesium		23	1.0	mg/L	EPA 200.7	09/16/04 17:40) mcm	
Sodium		47	1.0	mg/L	EPA 200.7	09/16/04 17:40) mcm	
Potassium		3.7	1.0	mg/L	EPA 200.7	09/16/04 17:40) mcm	
Anions								
Total Alkalinity		170	3.0	mg/L	SM 2320B	09/17/04 11:18		
Hydroxide		ND	3.0	mg/L	SM 2320B	09/17/04 11:18	8 naa	
Carbonate		ND	3.0	mg/L	SM 2320B	09/17/04 11:18	8 naa	
Bicarbonate	ļ	210	3.0	mg/L	SM 2320B	09/17/04 11:18		
Sulfate	250	110	0.50	mg/L	EPA 300.0	09/14/04 20:4	6 cth	
Chloride	250	62	1.0	mg/L	EPA 300.0	09/14/04 20:4	6 cth	
Nitrate	45	27	1.0	mg/L	EPA 300.0	09/14/04 20:4	6 cth	
Nitrate as N		6.2	0.20	mg/L	EPA 300.0	09/14/04 20:4	6 cth	
Aggregate Properties								
pH	1.	7.4	1.0	pH Units	SM 4500H+ E			
Specific Conductance	1	770	1.0	umhos/cm	SM 2510 B	09/14/04 17:3		
Temperature (at Lab)	i	25	1.0	°C	SM 2550B	09/14/04 00:0	00 mft	
Aggressive Index		11.8		N/A	Calculation			
Langlier Index @ 25 C		-0.02		N/A	SM 2330 B	09/22/04 10:2	27 saf	
Solids		-			1			
Total Dissolved Solids	500	480	_ 20	mg/L	SM 2540C	09/20/04 14:2	29 a a	





Client Name: Rancho Pauma Mutual Water Co.

Contact: Ogden Watson Address: P.O. Box 423

Pauma Valley, CA 92061

Report Date: 23-Sep-2004

Analytical Report: Page 3 of 6

Project Name: Rancho Pauma MWC-DW-NC

Project Number: [none]

Work Order Number: A4I1048

Received on Ice (Y/N): Yes

Temp: 17 °C

Laboratory Reference Number

A4I1048-01

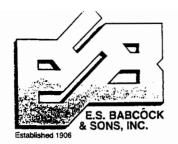
Sample Description
Hidden Oaks Ranch Low Yield

Matrix Water Sampled Date/Time 09/14/04 08:10

Received Date/Time 09/14/04 10:45

	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
.50	ND	0.05	mg/L	SM 5540C	09/15/04 17:00	aa	
1300	15	10	ug/L	EPA 200.7	09/16/04 17:40	mcm	
200	ND	20	ug/L	EPA 200.7	09/16/04 17:40	mcm	
	ND	10 .	ug/L	EPA 200.7	09/21/04 12:03	ļmt	
	38	10	ug/L	EPA 200.7	09/16/04 17:40	mcm	
	,	.50 ND 300 15 300 ND 50 ND	.50 ND 0.05 13 ∞ 15 10 200 ND 20 50 ND 10	50 ND 0.05 mg/L	50 ND 0.05 mg/L SM 5540C 13 ∞ 15 10 ug/L EPA 200.7 2∞ ND 20 ug/L EPA 200.7 5 O ND 10 ug/L EPA 200.7	50 ND 0.05 mg/L SM 5540C 09/15/04 17:00 1300 15 10 ug/L EPA 200.7 09/16/04 17:40 200 ND 20 ug/L EPA 200.7 09/16/04 17:40 50 ND 10 ug/L EPA 200.7 09/21/04 12:03	5O ND 0.05 mg/L SM 5540C 09/15/04 17:00 aa ∫3 ∞ 15 10 ug/L EPA 200.7 09/16/04 17:40 mcm 2∞ ND 20 ug/L EPA 200.7 09/16/04 17:40 mcm 5 O ND 10 ug/L EPA 200.7 09/21/04 12:03 lmt





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Pauma Valley, CA 92061

Report Date: 23-Sep-2004

Analytical Report: Page 6 of 6

Project Name: Rancho Pauma MWC-DW-NC

Project Number [none]
Work Order Number: A4I1048

Received on Ice (Y/N): Yes

Temp: 17 °C

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit (RDL)

NR Not Reported

RDL = Reportable Detection Limit

MDL = Method Detection Limit

Approval

CC:

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted. Babcock Laboratories and its officers and employees assume no responsibility and make no warranty, express or implied, for uses or interpretations made by any recipients, intended or unintended, of this report.

Man A Ball	W. C.	
James K. Babcock President	Allison Mackenzie General Manager	Lawrence J. Chrystal Laboratory Director

